

ARANA
SECURITY

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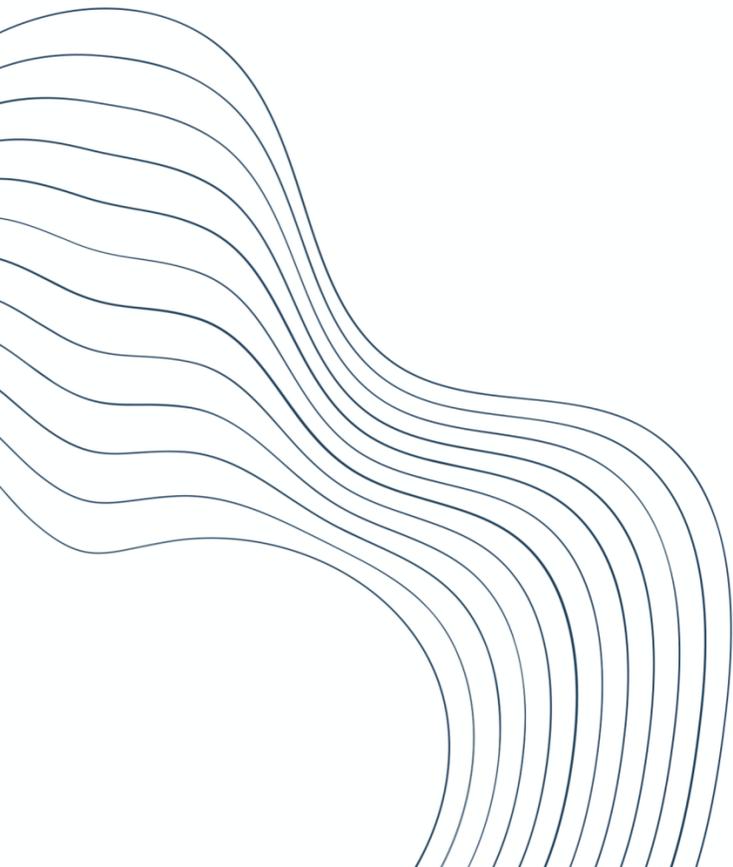
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Did you know that data breaches cost businesses
an average of 4.45 Million per incident?

WHO WE ARE

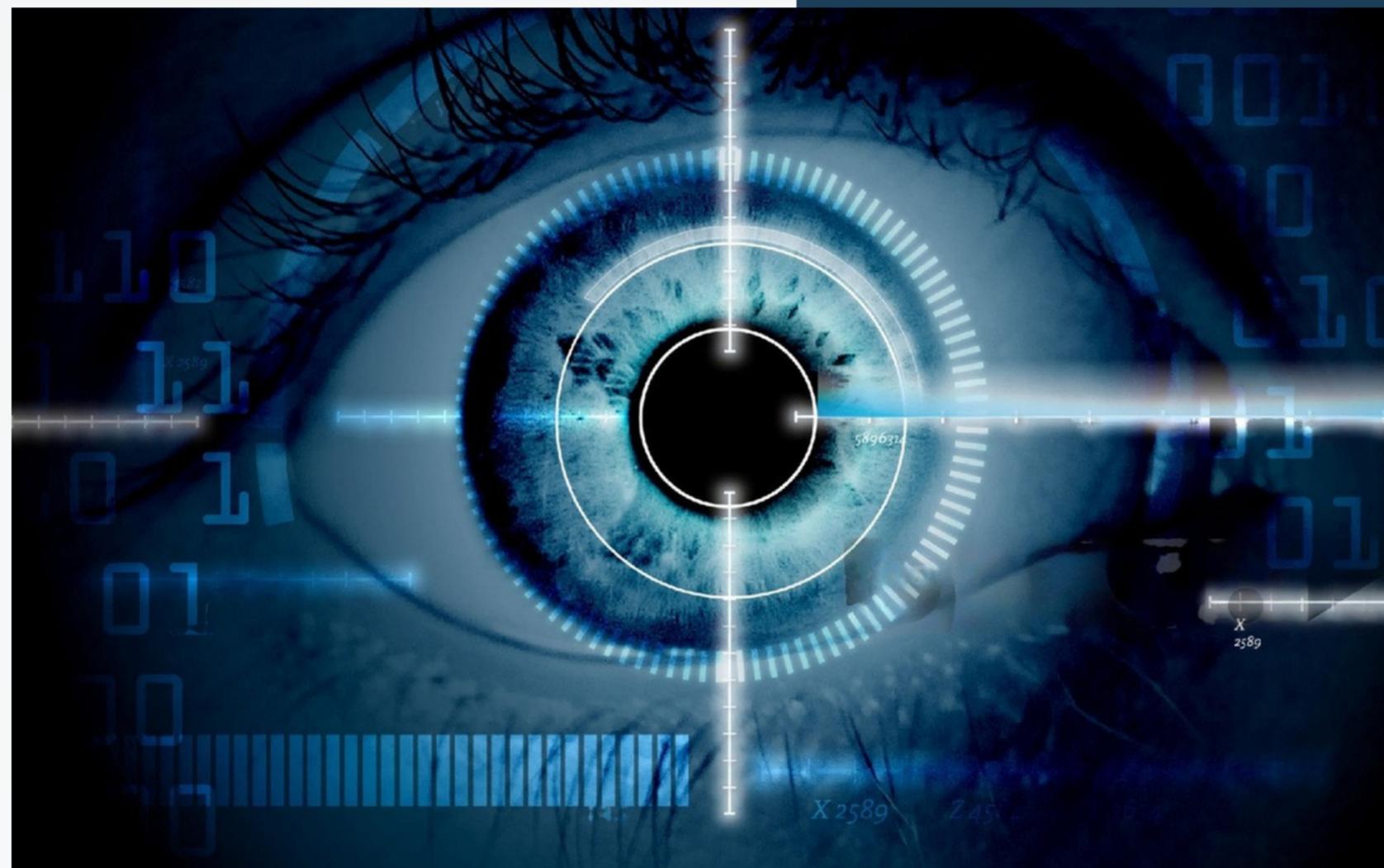




Arana Security is a leading provider of bespoke security solutions, specialising in tailored, end-to-end services that leverage cutting-edge technology and deep industry expertise. We excel in biometric solutions, access control, surveillance, and application development, offering sophisticated identification and authentication systems. Our expert team works closely with clients to develop customised solutions that address specific security challenges, enhancing safety and efficiency across various industries.



OUR PRODUCT



BIOWAVE

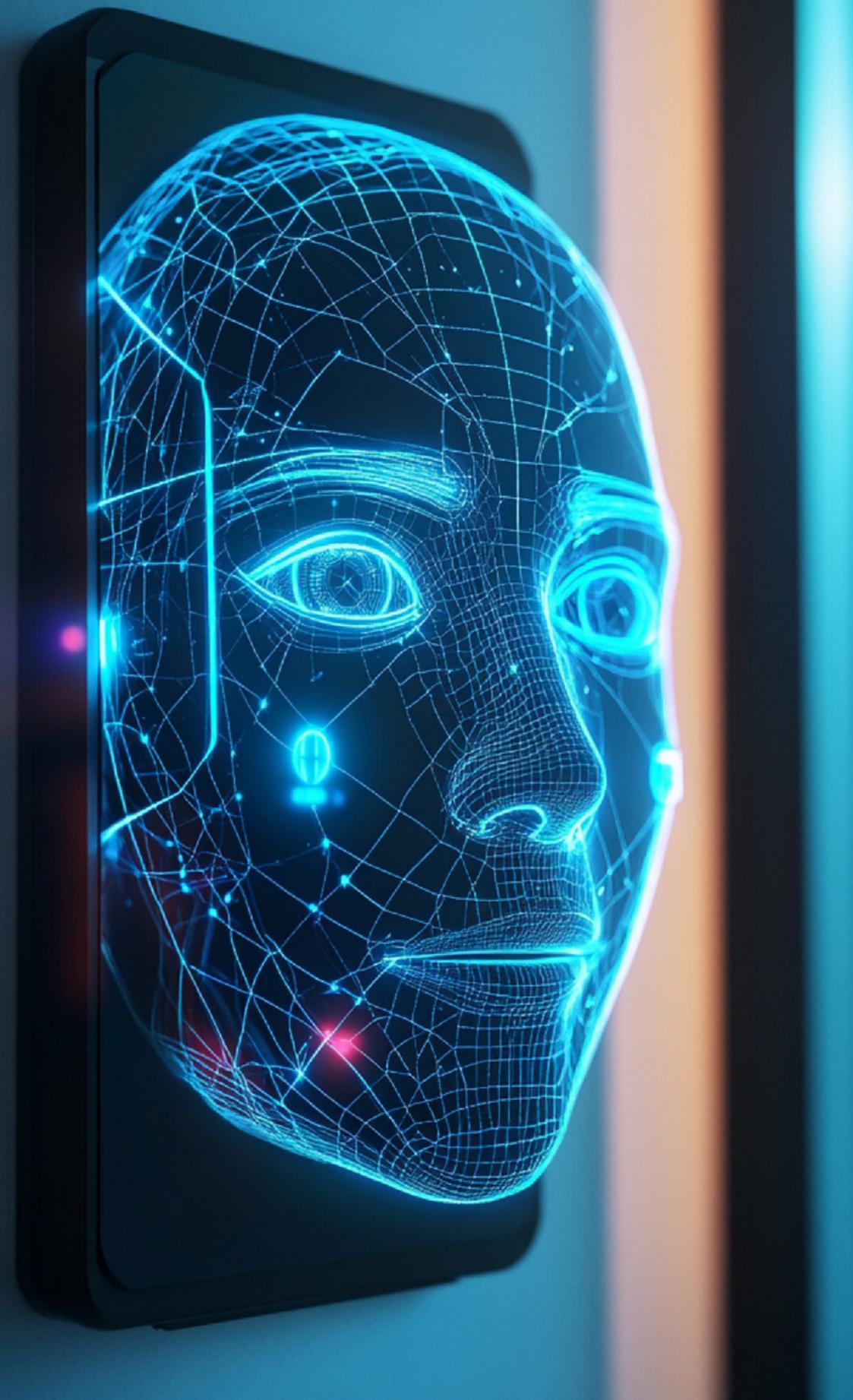
A biowave system is all in one biometric solution, that gives you the privilege to control everything concerns your employees and our core point from developing this system is that our system is a Biometric Data collection for the users in High security level. Above this core point we provide a variety of services, however, our three main services are Time Attendance, Access control and Payment.

The BioWave system is a distributed system, which is a centralized system that you can manage and control multiple of devices at the same time locally and globaly, all around the world, so you don't need for the devices to be beside you to take a specific actions and the biowave is a customizable system, which we can customize what fits the customer need and wants.

to sum up all of this due to being a biometric data collection system for the users we can provide any service you imagine throughout the biowave system.

Our Solutions





1. Time Attendance



2. Access Control



3. Pay



4. Visitor Management



5. ANPR



6. E-ticketing



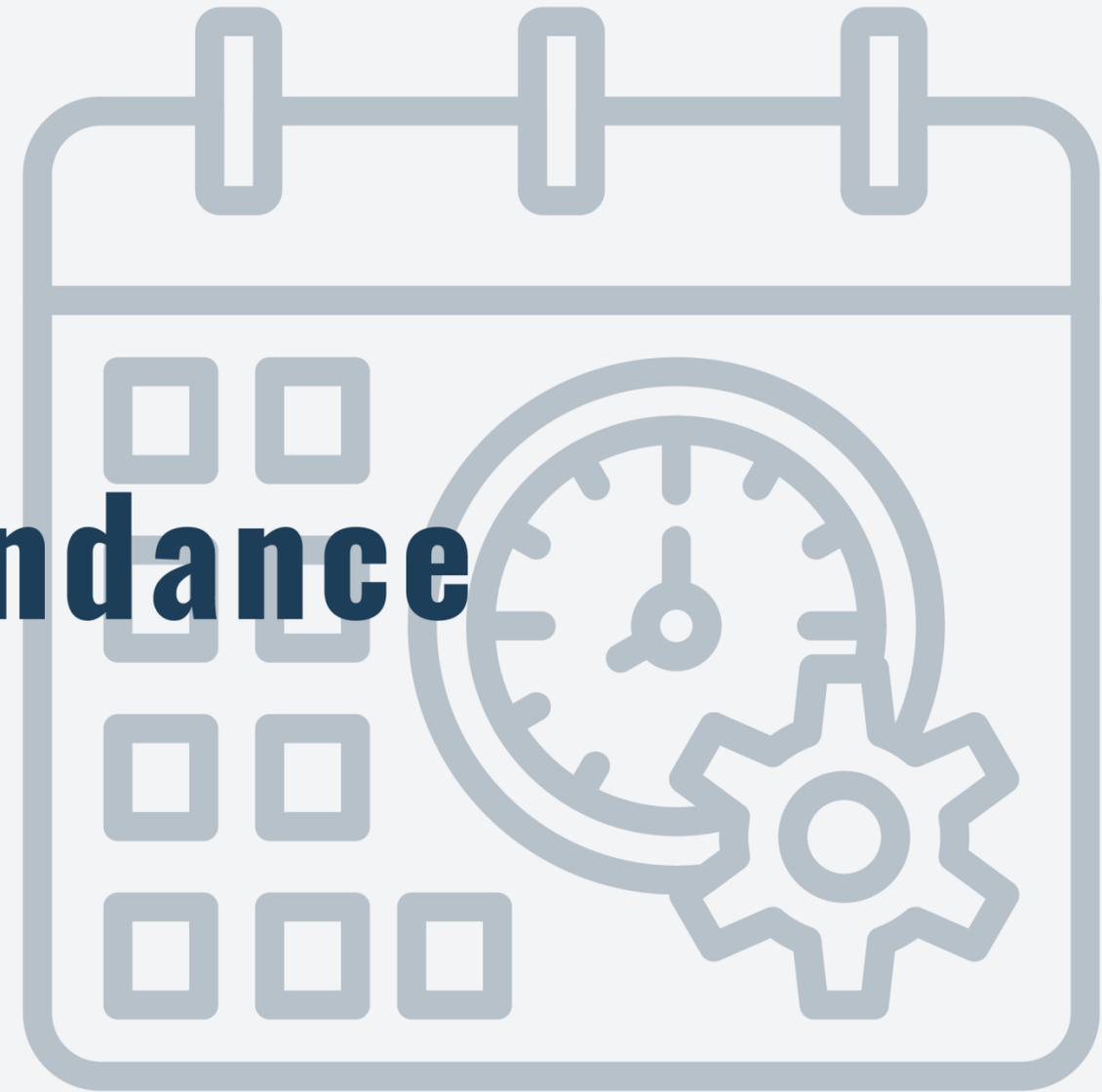
7. Identity Management



8. Keyless



Time Attendance



BioWave Time Attendance: Unlock efficient and Secure Workforce Management

BioWave Time Attendance is an advanced biometric time attendance solution from Arana Security. It offers real-time employee attendance tracking and secure access, simplifying workforce management, and streamlining operations.



Why Choose BioWave Time Attendance?

Hybrid Access

BioWave Time Attendance operates seamlessly online and offline, ensuring uninterrupted functionality regardless of internet connectivity. This feature guarantees employee attendance can be recorded anytime and anywhere, making it ideal for businesses with varying operational environments.

Device Compatibility

Our solution supports a wide range of biometric devices from various manufacturers, accommodating different fingerprint types and recognition technologies. This flexibility allows you to choose the devices that best suit your operational needs without compromising on security or performance.

Customize Access Rules

BioWave allows for the effortless creation of attendance and departure rules tailored to your organization's unique requirements. You can define specific in/out times, approval processes, and overtime policies, ensuring compliance with labor regulations and internal policies.

Quick Request Submissions

Simplify administrative processes with our mobile app, which enables employees to submit vacation requests, remote work applications, and other authorizations quickly and efficiently. This feature promotes a smoother workflow, reducing administrative burdens on HR teams and enhancing employee satisfaction.

Benefits



All-in-One Attendance Management

A comprehensive platform that centralizes all attendance management needs, streamlining processes for administrators.



Customisable Leave Settings

Easily customize leave types and add holidays to accommodate organisational policies and enhance planning



Easy Device Integration

Effortlessly add and configure a variety of attendance devices, including face recognition and fingerprint scanners, into the system



Global User Authentication

Strengthens multi-location authentication by allowing users to be authenticated from various locations, nationally or globally



Intuitive Web Portal

An easy-to-navigate web portal simplifies the management of attendance data, making it user-friendly for administrators



Enhanced Security Against Fraud

Reduce the risk of fraud and theft with a secure biometric authentication process, ensuring peace of mind for both employers and employees



Detailed Attendance Reporting

Generate comprehensive reports on daily attendance, absenteeism, and overtime, enabling precise record-keeping and informed decision-making



Flexible User Configurations

Create and assign specific attendance configurations for groups or individual users, catering to diverse attendance requirements



Automated Attendance Handling

Streamline attendance processes by automating various actions, minimizing complexity and enhancing efficiency

Features



- Set user privileges to restrict access for enhanced security
- Customise system settings to fit your business needs
- Generate detailed reports for transaction insights
- Simplify user role assignment for efficient workflows
- Manage connected devices easily within the BioWave system
- Offer multi-language support for diverse customers
- Organise users into groups for streamlined management
- Handle user requests efficiently for better support
- Establish rules for transactions to enhance security
- Enable remote management of transactions and operations
- Manage employee shifts and schedules effectively
- Receive real-time notifications for important updates

Access Control



Effortless Security Management with BioWave Access Control

Arana Security offers tailored access control solutions for various industries, providing smart and reliable security management. With BioWave, you can ensure a seamless security experience that meets your organization's specific needs



Why Choose BioWave Access Control?

Custom Access Rules

Effortlessly define and manage access permissions for individuals, groups, or specific timeframes, ensuring employees can only enter areas relevant to their roles

Device Agnostic

Our system integrates seamlessly with a wide range of access control devices from various manufacturers, providing flexibility in hardware choices

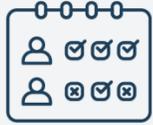
Offline Mode

BioWave guarantees uninterrupted access control, even during internet outages, ensuring your security always remains intact

Mobile Access Management

The BioWave mobile app empowers employees to submit access requests directly from their smartphones, enhancing convenience and responsiveness

Benefits



Enhanced Safety and Security

Protect your premises with advanced access control solutions designed to minimise unauthorized access



Multi-Location Authentication

Authenticate users across various locations, both nationally and globally, to streamline security management



Real-Time Monitoring

Gain immediate visibility into access activities, enabling swift responses to unauthorized attempts



Comprehensive Reporting

Generate detailed reports on access activities, helping you analyze trends and improve security protocols



User-Friendly Web Portal

Manage access data with ease through our intuitive web portal, designed for efficient navigation and control



Visitor Management

Simplify the check-in process for visitors, ensuring controlled access to sensitive areas



Audit Trails

Automatically log all access events, making it easier to conduct thorough audits and comply with regulatory requirements



Cost Efficiency

Reduce operational costs by minimising reliance on physical keys and manual security measures, streamlining your security processes



Seamless Integration

Integrate BioWave with existing security systems and infrastructure for a unified security approach

Features



- Define access permissions for individuals and groups
- Maintain control during internet outages
- Integrate with various access control devices
- Enable access requests via a mobile app
- Receive instant updates on access activities
- Automatically log access events for compliance
- Manage access data through an intuitive portal
- Reduce costs by minimizing physical keys
- Generate detailed reports on access trends
- Streamline visitor check-in processes

Biowave Pay



BioWave Pay: Seamless Transactions, Secure Every Time

BioWave Pay is a cloud-based biometric payment solution designed to streamline transactions and enhance security for businesses. It integrates seamlessly with ePOS systems, payment kiosks, cashless wallets, and unattended retail, eliminating the need for traditional payment methods like cards, cash, or phones.



Why Choose BioWave Pay?

Accurate Attendance Tracking

BioWave Time Attendance ensures precise tracking of employee hours, reducing discrepancies and ensuring payroll accuracy

Streamlined Management

The system simplifies attendance management with easy-to-use tools for monitoring and reporting, saving time for HR teams

Flexible Integration

Seamlessly integrates with existing HR and payroll systems, enhancing efficiency and maintaining data consistency across platforms

Enhanced Security

Utilizing biometric technology, BioWave Time Attendance ensures secure and reliable attendance verification, preventing buddy punching and unauthorised access

User-Friendly Interface

Designed with simplicity in mind, ensuring that both employees and administrators can navigate the system effortlessly

Benefits



Enhanced User Experience

Customers can store multiple bank cards within a single platform and use either their hand or facial recognition for secure payments, transforming their biometrics into a personal wallet



Seamless Cashier System Integration

The BioWave system easily integrates with any cashier system, streamlining payment processes and enhancing overall efficiency



Enhanced Security Against Fraud

By eliminating the reliance on physical cards, the BioWave system significantly reduces the risk of fraud and theft, ensuring secure transactions without the worry of lost or stolen cards



Remote enrolment

Enrol and verify customers remotely through the intuitive BioWave Pay phone app, eliminating the need for physical presence and simplifying identity management for loyalty programs, memberships, and more



Age verification

Effortlessly handle age-restricted product sales while allowing payment and loyalty redemption in a single, seamless transaction

Features

- **Enhanced Security:** BioWave Pay provides secure biometric authentication for transactions, protecting user data.
- **Seamless Payments:** Enjoy a swift and effortless payment experience with contactless technology.
- **Age Verification:** Ensure compliance with age-restricted product purchases through instant verification.
- **Data-Driven Insights:** Utilize detailed transaction reports to optimize business operations.
- **Centralized Management:** Efficiently manage payments and track transactions via a user-friendly web portal.
- **Mobile Flexibility:** Seamlessly manage transactions on the go with the BioWave mobile app.
- **Diverse Compatibility:** Integrate seamlessly with various devices, from kiosks to full-scale ePOS systems.
- **Scalable Solution:** Adapt to future growth with our scalable system.



E-ticketing



BioWave E-Ticketing

BioWave E-Ticketing provides a secure, efficient, and user-friendly solution for ticket issuance and validation. By integrating biometric data, such as fingerprints or facial recognition, BioWave revolutionises how events, transportation, and facilities manage admissions.



Why Choose BioWave E-Ticketing?

Faster Entry with Biometrics

BioWave's biometric authentication allows for quick and effortless entry, reducing the need for manual ticket checks and speeding up the admission process

Enhanced Security

By utilizing personal biometric traits for ticket validation, BioWave prevents ticket fraud and unauthorized access. Multi-factor authentication further strengthens security, the perfect solution for high-profile or sensitive events.

Convenient Digital Ticketing

Tickets are stored digitally, eliminating the need for physical copies and reducing the likelihood of misplacing them. Users can book, access, and store their tickets directly from their mobile devices, simplifying the process

Eco-Friendly Solution

By replacing traditional paper tickets with a digital system, BioWave helps organizations reduce their environmental impact by cutting down on paper waste and encouraging a greener, more sustainable approach

Benefits



Seamless Entry

Quick and secure biometric checks simplify entry, eliminating the hassle of physical tickets



Increased Security

Biometric validation and multi-factor authentication prevent fraud and unauthorized access, enhancing security



Fast Processing

Real-time ticket validation reduces wait times, streamlining the check-in process for large-scale events



Enhanced Trust and Brand Loyalty

Providing a secure, seamless experience builds trust and loyalty among users, improving brand perception



Accessible and Inclusive

With multi-language support and easy-to-use features, BioWave is designed for users of all backgrounds and abilities



Secure Ticket Transfers

Ticket resale or transfers are controlled through biometric verification, ensuring security and preventing fraud

Features



- Biometric authentication for secure ticket validation
- Digital ticketing platform for easy booking and storage
- Real-time validation ensures quick entry at access points
- Centralised user management for profiles, history, and preferences
- Integration with existing access control and payment systems
- Multi-factor authentication for heightened security
- Push notifications for event reminders, bookings, and promotions
- Multi-language support for inclusive user engagement

BioWave ANPR



Biowave Automated Number Plate Recognition

BioWave ANPR is an advanced Automatic Number Plate Recognition system integrated with facial recognition technology to provide a seamless and secure vehicle access solution. Whether it's for high security or daily vehicle management, BioWave ANPR offers fast, reliable and efficient vehicle identification and access control.



Why Choose BioWave ANPR?

High-Speed Licence Plate Recognition

Instantly captures and processes vehicle plates, ensuring quick access control even in high traffic environments

Facial Recognition Integration

Combines licence plate recognition with facial recognition for a robust, dual-factor authentication

Global Compatibility

Recognises license plates from diverse regions, including both Latin and non-Latin scripts

Efficient Vehicle Management

Streamlines the process of vehicle and driver authentication, reducing wait times and manual checks

Benefits



Enhanced Security

Real-time monitoring and facial recognition ensure only authorised vehicles and drivers are granted access



Efficient Access Control

Automatic recognition speeds up entry for authorised vehicles, minimising manual checks



Comprehensive Surveillance:

Offers full coverage with high-speed, accurate vehicle identification, even in challenging environments



Multi-Lane Monitoring

Real-time data from multiple lanes, allowing for effective management of traffic-heavy areas



Global License Plate Recognition

Identifies plates from various regions, ensuring versatility in different geographic locations



Reduced Risk of Criminal Activity

Suspicious vehicles are flagged through cross-referenced license plate databases, improving site security



User-Friendly Mobile App

Easily manage registration and access control through an intuitive app



Real-Time Data Access

Immediate insights into vehicle entry activity for quick decision-making



Automated Access Logs

Maintains a comprehensive audit trail of vehicle entries and exits, providing valuable data for security and compliance

Features



- High-speed plate recognition for fast vehicle identification
- Facial recognition integration for dual authentication
- Global license plate recognition for versatile use
- Mobile app simplifies vehicle and driver registration
- Real-time monitoring and results for quick decisions
- Seamless integration with existing access control systems
- Comprehensive user profiles with vehicle and ownership details
- Configurable interface for real-time management and access

BioWave Identity Management



BioWave Identity Management

BioWave Identity Management is a state-of-the-art ID Proofing web application designed to streamline identity verification by allowing users to upload ID documents and verify their liveness from the comfort of their own homes



Why Choose BioWave Identity Management?

Convenient and Remote

Users can complete ID verification from anywhere, simplifying the onboarding process for businesses and individuals

User-Friendly

The intuitive web app makes it easy for users to upload documents and complete verification steps without technical assistance

Fast and Efficient

Reduce delays by automating document capture and liveness checks, speeding up verification processes

Benefits



Accelerated Onboarding

Streamlines the identity verification process, reducing the time needed for user onboarding



Home-Based Identity Verification

Allows users to verify their identity from home, eliminating the need for physical appointments



Enhanced Security Measures

Ensures high-level security with document capture and liveness detection



Fraud Prevention

Reduces the risk of fraud by verifying ID authenticity and user presence in real time



Seamless User Experience

Improves user experience with a seamless, intuitive platform



System Integration

Integrates smoothly with other business systems, enabling consistent data management

Features



- Remote ID document upload and verification
- Real-time liveness detection to prevent identity fraud
- Automated ID capture for fast and accurate data extraction
- Customisable workflows to fit specific verification needs
- Scalable solution adaptable to businesses of any size
- Thorough reporting for audit and compliance

BioWave Identity Management



BioWave Keyless System

BioWave Keyless is an advanced solution tailored for banks, offering streamlined access management and robust security. With this innovative system, banks can eliminate traditional key hassles and benefit from efficient multi-branch operations through biometric authentication and single PIN management.



Why Choose BioWave Keyless?

Flexible Configuration

Customise access rules like solo/dual control, time delays, and time locks

High-Level Security

Biometric authentication and advanced PIN ID access enhance overall security

Effortless Management

Add or remove users in seconds, with full control over individual device access

Benefits



Seamless Multi-Branch Control

Manage access across multiple bank branches with a single PIN ID, allowing staff to easily move between locations without juggling multiple keys or codes and simplifying operations for consistent security protocols



Enhanced Security

Eliminate the risk associated with physical keys being lost or stolen. Access is controlled through biometric or PIN-based authentication, ensuring only authorized individuals can enter restricted areas



Efficient Contractor Access

Managing contractor or temporary staff access becomes easy with the ability to issue one-time use PINs or access codes



Centralized User Management

A user-friendly platform that allows administrators to manage all access points, users, and devices from one centralized system. Whether adding new users, removing access, or monitoring activity, everything is handled from a single portal



Real-Time Monitoring

Banks can track and monitor access in real time, receiving updates on who enters secure areas and when. The system generates audit trails, ensures regulatory compliance provides the necessary documentation to meet security standards and conducts investigations



Customizable Access Settings

Complete flexibility to customize access controls based on each branch's unique requirements, including implementing solo control, dual control, or time delay locks

Features

- Simple on-site installation with server-based deployment
- Centralised control via portal or tablet for easy access management
- Time-bound access for external personnel to secure areas
- Configure solo, dual control, time delays, and time locks based on needs
- Multi-enroll users across TechMaster and multiple devices in seconds
- Integrates with ATMs, cash safes, and secure rooms
- Advanced device management with stage verification and live status monitoring
- Manage contractor and temporary access with one-time codes
- Maintain audit trails for compliance and security reporting



Visitor Management



BioWave Visitor Management

BioWave Visitor Management is a seamless and secure solution for handling visitors at your site. Designed to enhance security and efficiency, it provides a smooth visitor experience from pre-registration to on-site verification, eliminating bottlenecks while ensuring compliance with your security protocols.



Why Choose BioWave Visitor Management?

Efficient Pre-Registration

Visitors can pre-register online, reducing waiting times and simplifying the check-in process

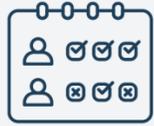
Seamless Badge Printing

Create badges or e-badges with integrated photo ID and secure QR or barcode verification

Comprehensive Security Integration

The system integrates with existing barcode/scanning devices to verify visitors and employees

Benefits



Real-Time Visitor Tracking

Monitor guest movement throughout the premises in real-time monitoring. This capability enhances security by allowing staff to identify and respond quickly to any unauthorized access or unusual activity



Seamless System Integration

Integrate with existing barcode scanners and access control systems for smooth visitor verification. This compatibility quickens the check-in process, allowing for quick and efficient entry while maintaining top security measures



Comprehensive Visitor Data

Capture and securely store visitor details, including contact details and visit history. This data can be used for future reference, reporting, and analysis, helping organisations understand visitor patterns and improve security protocols



Customisable Check-In

Tailor check-in processes to suit your organisation's specific needs and requirements. From tailored questionnaires to varying identification methods, this flexibility ensures a streamlined experience for visitors



Event and Visitor Management

Manage large-scale events with efficient visitor registration and access control. BioWave's system allows for easy tracking of attendees, ensuring a smooth entry process and effective management of crowd control



Fast and Secure Access

Provide visitors with quick access to the premises while upholding the highest security standards. This balance ensures that authorized personnel can enter with minimal delay, enhancing the overall visitor experience without compromising safety

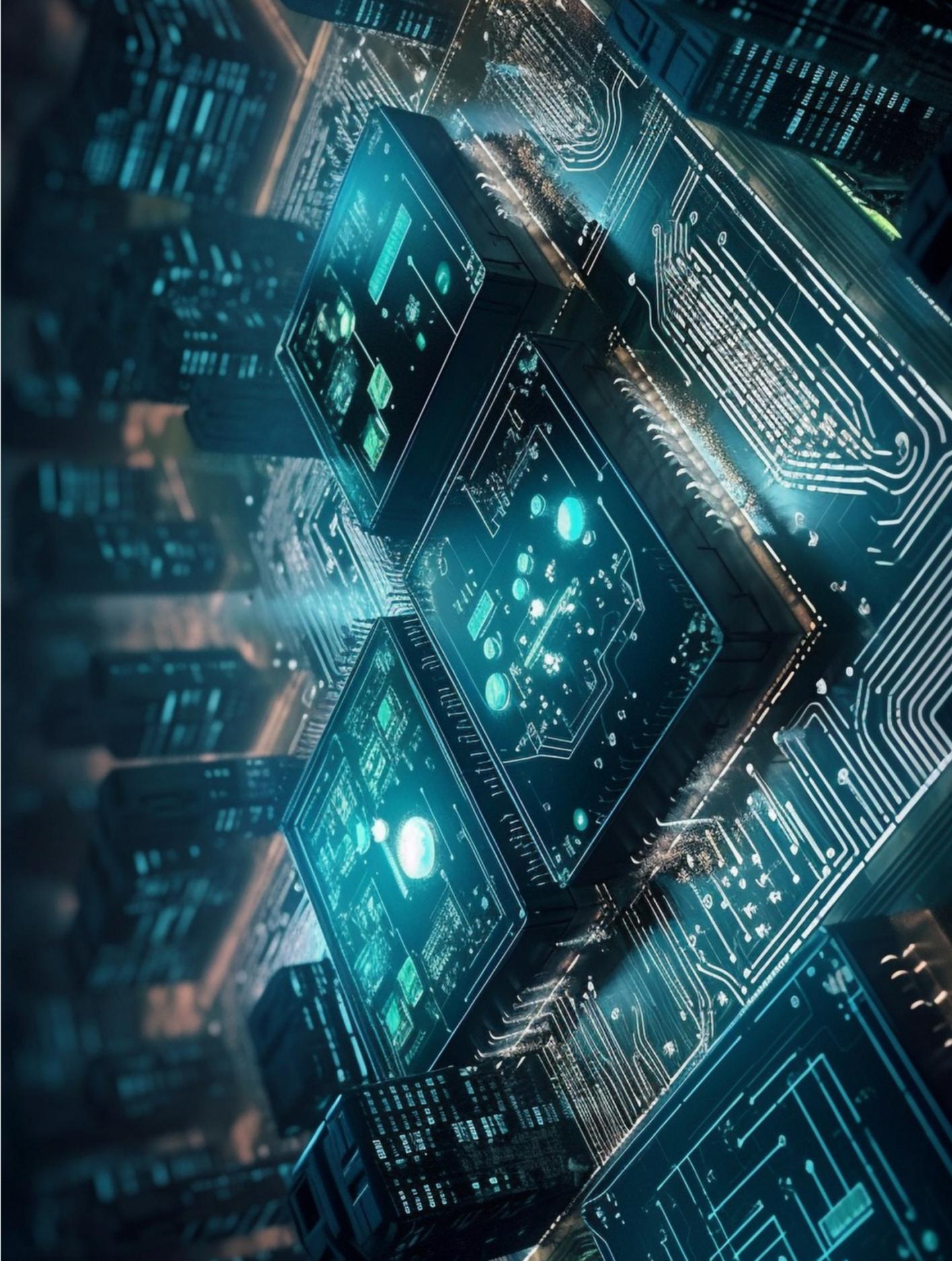
Features



- Pre-registration link for visitor
- Badge and e-badge creation with photo ID
- Integration with barcode/scanning devices
- AES 128 encrypted communications
- On-site badge printing capabilities
- Seamless portal-based event and visitor management
- Multi-user access control and permissions
- Real-time visitor tracking and reporting

CHALLENGES





Inaccurate Time & Attendance Tracking



Outdated Technology



Physical Security Breaches



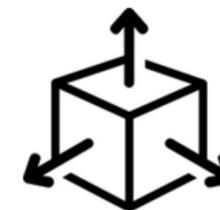
Employee Experience



Manual Access Control



Data Security Threats



Limited Scalability of Existing Systems



Employee Theft

The background features a light gray magnifying glass with a circular lens. Inside the lens, two fingerprints are visible, one overlapping the other. The text 'BENEFITS & SOLUTIONS' is centered over the magnifying glass.

**BENEFITS &
SOLUTIONS**



Seamless Integration, Effortless Access:

- **Stop worrying about lost or stolen keycards:**

BioWave eliminates needing physical credentials. Fingerprint scans or facial recognition offer a unique and unbreachable layer of security, significantly reducing the risk of unauthorized access.

- **Boost Multi-Location Authentication strength:**

Traditional passwords and keycards are vulnerable. Authenticate users onto the system from different locations nationally or even globally. This technology provides a stronger defense against hacking and unauthorized entry.

- **Take control of end-users access:**

Granular access control lets you define who can access specific areas and when. BioWave keeps unauthorized personnel out and ensures that only the right people enter designated zones. Plus, detailed access logs provide a clear audit trail for enhanced security.

- Eliminate access control bottlenecks, The BioWave's contactless technology allows for swift access. Forget keycard swiping and long lines. Employees simply scan their fingerprints or faces, and they're in, boosting productivity and traffic flow.
- Simplify payments, and enhance security, Forget the hassle (and risk) of cash or credit cards. BioWave integrates with your payment system, allowing secure and contactless payments with just a fingerprint scan or facial recognition.

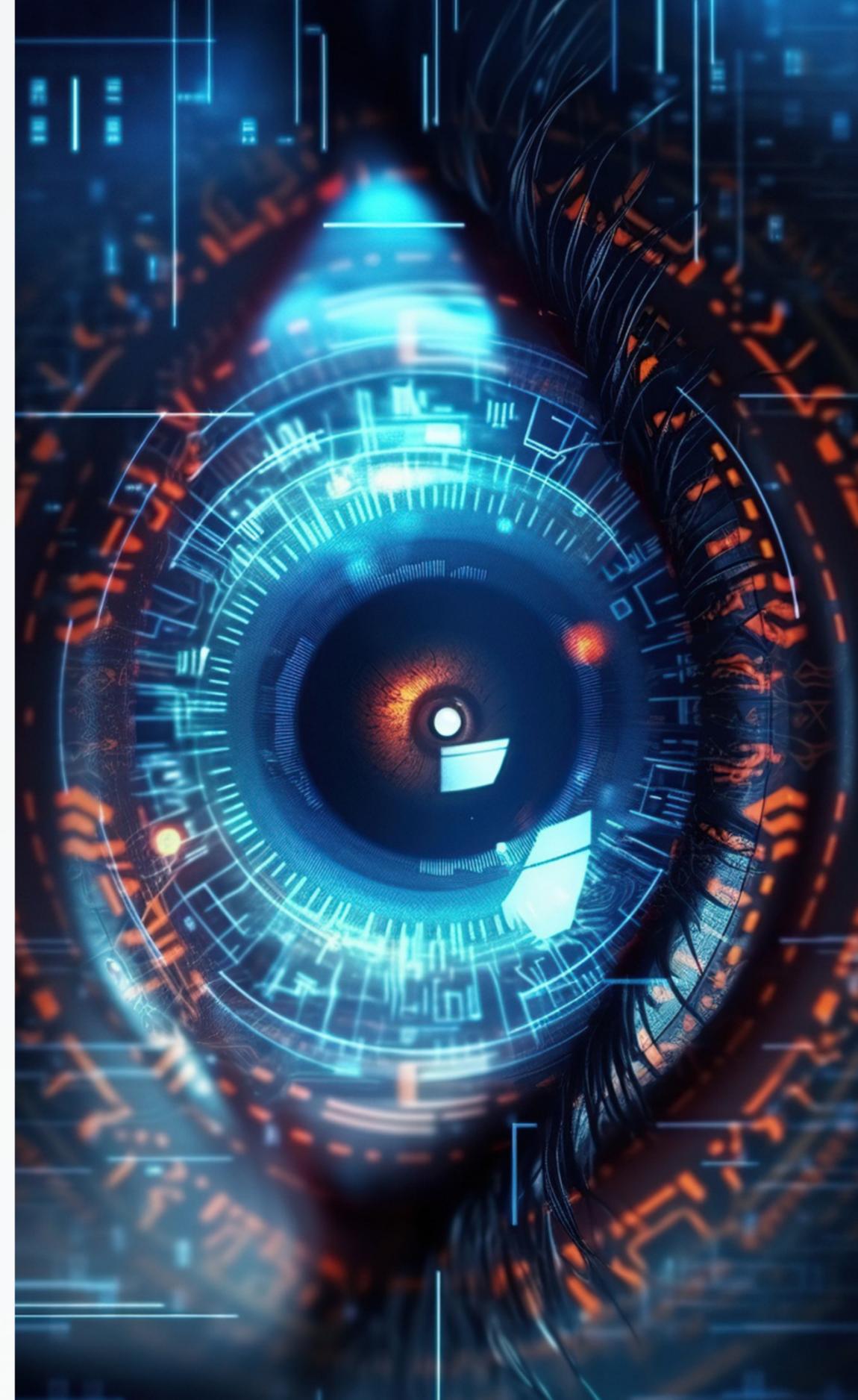


STREAMLINE
OPERATIONS AND
SAVE TIME



Improve User Experience and Boost Satisfaction:

- Convenience is at your fingertips, so BioWave offers a user-friendly experience with a simple enrollment process and intuitive interface. Employees can access secure areas or make payments with a simple scan – no need to carry or remember keycards or passwords.
- Promote a healthier workplace, bioWave eliminates the need to touch shared surfaces like keypads, promoting a more hygienic environment. This is particularly beneficial in healthcare settings or environments with strict hygiene requirements.
- Reduce frustration, and boost morale, in which lost keycards are a thing of the past! BioWave eliminates the inconvenience and frustration of misplaced credentials. Employees can access secure areas and complete tasks without worry, improving overall user experience and satisfaction.



Mobile Application:

The BioWave mobile application complements the BioWave contactless biometric security system, offering a range of benefits that enhance user experience, simplify system management, and provide greater business control.

- **Mobile Management:** View access history, manage personal profiles, and update settings directly from your phone.
- **Increased Convenience:** Enjoy the flexibility of using your phone for secure payments within integrated systems.
- **Real-time Notifications:** Receive instant alerts on your phone regarding access attempts, security updates, or system maintenance.
- **Remote Access Management:** Administrators can add, modify, or delete user profiles and access permissions directly through the mobile app, streamlining user management.
- **Real-time Monitoring:** Gain instant insights into access activity, monitor user movements, and identify potential security concerns, all from your phone.
- **Push Notifications:** Send real-time security alerts and critical updates directly to users' phones, ensuring everyone is informed of important events.



CASE STUDIES

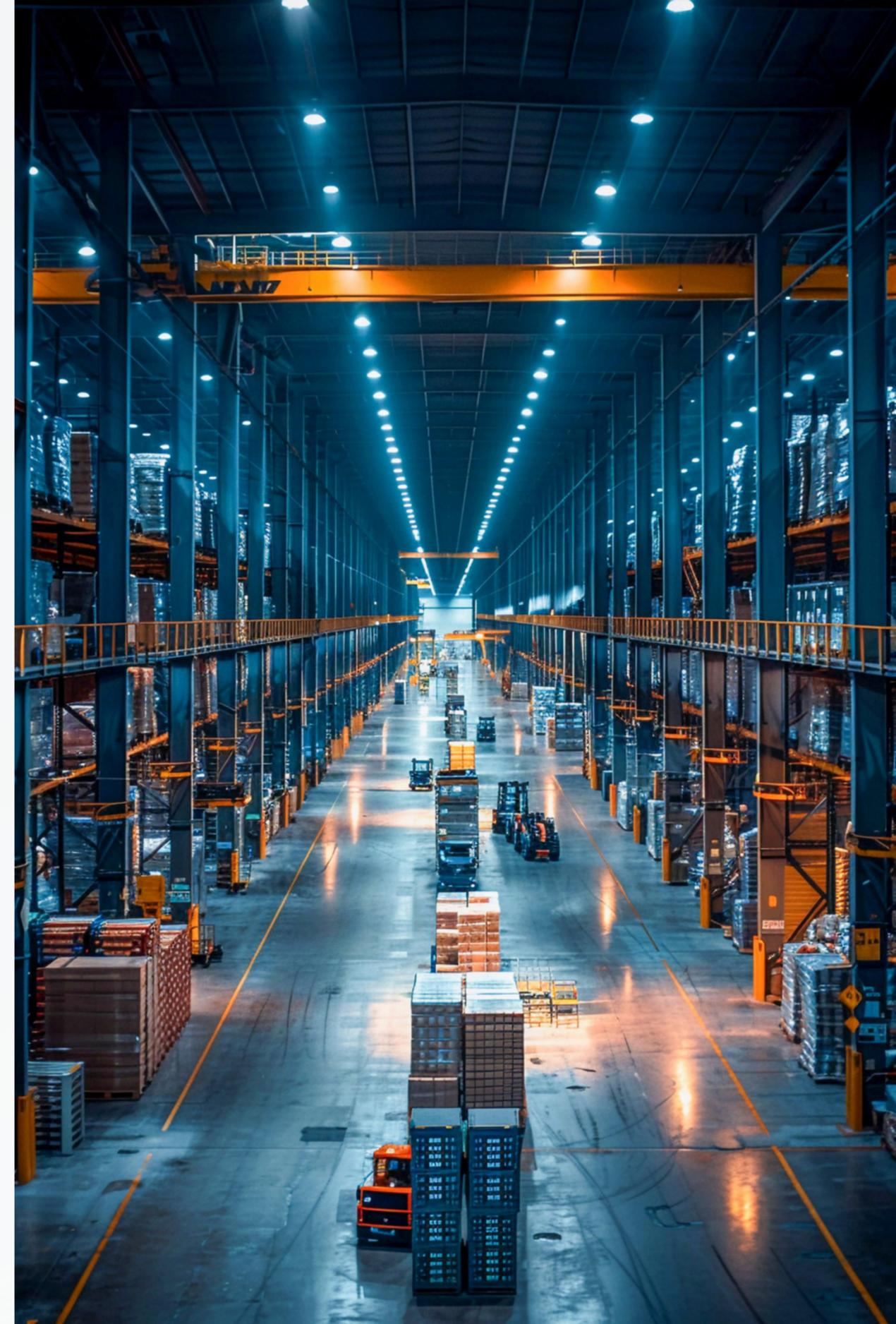


Warehouse Multilocation - Case Study

Know about our work stories on the ground by BioWave Access Control

Warehouse development in 2020-2021

- 144,000 sq ft warehouse and logistics unit.
- Access was controlled using biometric readers for the staff and contractors were provided with cards.
- The client can manage the level of access and users via a portal.
- 24 biometric access control readers.
- 2x biometric time and attendance (BioWave Attendance).
- In 2021, a new warehouse was built and an additional 14 biometric readers were installed and connected to the same portal as the previous warehouse, allowing the client to manage both warehouse access control from the same portal.
- In addition, a time-attendance module was added to the system.



Sharpes Pixley- Case Study

Biometric Safety Deposit Security Solution

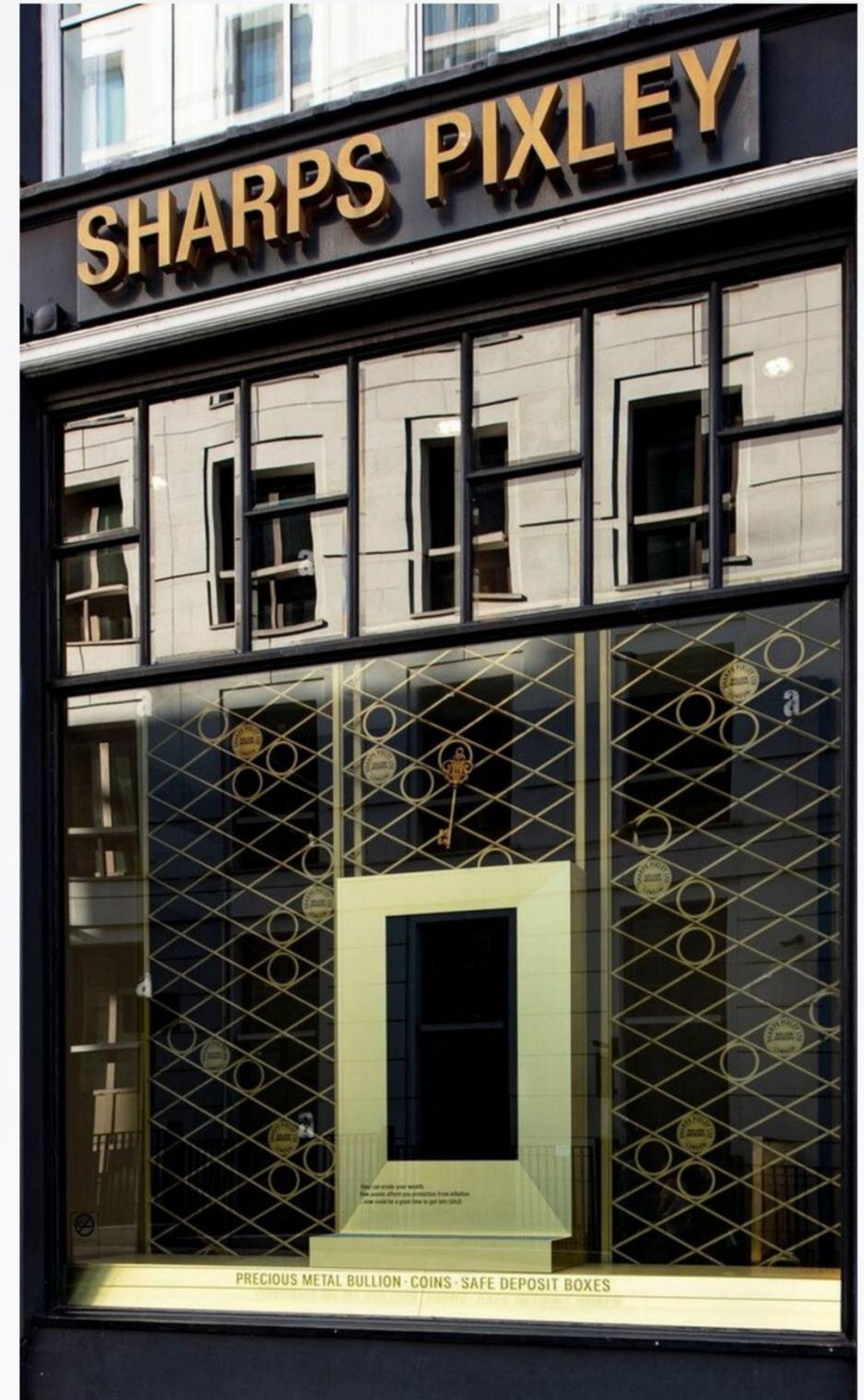
Field Studies with payment solutions

Sharpes Pixley, a London bullion house, hired Arana Security to upgrade their outdated biometric system for safety deposit boxes. The old system caused frustration for both customers and staff due to slow fingerprint capture, software crashes, and lack of functionalities.

Arana designed a new application with improved features:

- Faster and more reliable fingerprint capture using contactless scanners.
- Two-person authentication and manual override options for increased security.
- Elimination of key fobs in favor of biometrics for better convenience.

The new system, built with advanced technology and customization, significantly improved customer service and security for Sharpes Pixley. As highlighted in the testimonial by Bruno Garcia, Arana solved their problems and provided a tailored solution that exceeded expectations.



POC Japan - Case Study

Know about our work stories on the ground by BioWave Access Control

Field Studies with payment solutions

- We're currently undergoing a trial where we have installed our Biometric Contactless Payment solution, BioWave Pay in a Cafe in Tokyo, Japan.
- If the project succeeds, they will roll out our solution in food courts across several Malls in Japan.



Our Partners & Certifications

Thanks to our partners' support and collaboration, they help us to enhance and improve Biowave's touchless solution.



**SEAMLESS INTEGRATION,
EFFORTLESS ACCESS**

THANK YOU

